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INTERNATIONA EARCH REPORT

Interna application No.
PCT/JP2004/002592

		10170120	70 17 00200-		
A. CLASSIFIC Int.Cl ⁷	ATION OF SUBJECT MATTER C12P19/12, C12N1/20, C12N9/10,	. со7н1/06, со7н3/10			
According to Inte	ernational Patent Classification (IPC) or to both national	classification and IPC			
B. FIELDS SE.	ARCHED				
	nentation searched (classification system followed by class C12P19/12, C12N1/20, C12N9/10,	sification symbols) , C07H1/06, C07H3/10			
Documentation s	searched other than minimum documentation to the exten	t that such documents are included in the	fields searched		
Electronic data b	pase consulted during the international search (name of da GISTRY/BIOSIS/MEDLINE/WPIDS (STN)	ata base and, where practicable, search ter	ms used)		
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.		
X	JP 2-115193 A (Mitsubishi Kas 27 April, 1990 (27.04.90), Claims; examples (Family: none)	sei Corp.),	1-42		
Х	JP 49-117688 A (Kakenyaku Kal 11 November, 1974 (11.11.74), Claims; examples (Family: none)	1-42			
Х	JP 3-259090 A (Mitsubishi Kas 19 November, 1991 (19.11.91), Claims; page 5, lower left co (Family: none)	1-42			
× Further d	ocuments are listed in the continuation of Box C.	See patent family annex.			
"A" document of to be of par	egorics of cited documents: defining the general state of the art which is not considered ticular relevance	"T" later document published after the induction date and not in conflict with the applitude the principle or theory underlying the	invention		
filing date	which may throw doubts on priority claim(s) or which is	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventiv step when the document is taken alone			
cited to es special reas	tablish the publication date of another citation or other son (as specified) referring to an oral disclosure, use, exhibition or other means	considered to involve an inventive	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		
"P" document the priority	published prior to the international filing date but later than date claimed	"&" document member of the same patent	family		
Date of the actu 31 May	al completion of the international search 2, 2004 (31.05.04)	Date of mailing of the international sea 15 June, 2004 (15:	o6.04)		
Name and maili Japane	ing address of the ISA/ ese Patent Office	Authorized officer			
Facsimile No.	210 (second sheet) (January 2004)	Telephone No.			

	·	PCT/JPZ(004/002592	
C (Continuation).	DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appropriate, of the relevan	nt passages	Relevant to claim No.	
<u>х</u> ,	Eiichi Shirasawa et al., "Preparation of Infructofuranose 1,2':2,3' dianhydride by the Cultivation of Arthrobacter ureafaciens in Inulin-containing Synthetic and Vegetable J.Ferment.Technol., 52(3), 1974, pages 16	1-17,23, 30-34 18-22		
<u>X</u> <u>Y</u>	Ulrich Jahnz, et al., "Effective developme of a biotechnical process: Screening, gene engineering, and immobilization for the en matic conversion of inulin to DFA III on dustrial scale", Landbauforschung Voelkens 518(3), 2001, pages 131 to 136	etic nzy- in-	35-42 18-22,24-29	
<u>X</u> <u>Y</u>	JP 4-271792 A (Mitsubishi Kasei Corp.), 28 September, 1992 (28.09.92), Claims; examples (Family: none)		35-42 18-22,24-29	
$\frac{X}{Y}$	Atsushi Yokota et al., "Production of Inu. Fructotransferase (Depolymerizing) by Arthroacter sp. H65-7 and Preparation of DFA Inform Inulin by the Enzyme", J.Fermentl Bio 72(4), 1991, pages 258 to 261	ro- II	35-42 18-22,24-29	
A	JP 11-43438 A (Nippon Tensai Seito Kabush Kaisha), 16 February, 1999 (16.02.99), Full text (Family: none)	niki	1-42	
A	JP 1-285195 A (Director General of Nation Research Institute, Ministry of Agricultur Forestry and Fisheries), 16 November, 1990 (16.11.90), Full text (Family: none)		1-42	